

Art Unit: ***

PTOCLM

10/1/04

AS

1. (Currently Amended) A line driver for driving a line having a state including:
a first current device configured to initiate a change in the state of the line,
wherein the first current device includes a plurality of current devices connected in parallel;
[[and]]
a second current device configured to substantially complete the change[[;]],
wherein the first current device provides a first current and the second current device provides a
second current that is smaller than the first current[[.]]; and
a switching device configured to limit the first current as the state of the line is
changing.
2. (Original) A line driver for driving a line having a state as recited in claim 1 wherein the
first and second current devices are current sources.
3. (Original) A line driver for driving a line having a state as recited in claim 1 wherein the
first and second current devices are current sinks.
4. (Original) A line driver for driving a line having a state as recited in claim 1 wherein the
first current device includes a transistor sized to provide the first current.
5. (Original) A line driver for driving a line having a state as recited in claim 1 wherein the
first current device includes a first transistor sized to provide the first current and wherein the
second current device includes a second transistor sized smaller than the first transistor to
provide the second current that is smaller than the first current.
6. (Canceled)
7. (Currently Amended) A line driver for driving a line having a state as recited in claim 1
~~further including a switching device configured to limit the first current as the state of the line is~~
~~changing~~ wherein the switching device includes a diode-configured transistor.

CLAIM 8 (CANCELED)

Art Unit: ***

9. (Canceled)

10. (Currently Amended) A line driver for driving a line having a state as recited in claim 1 ~~wherein the first current device includes a plurality of current devices wherein each of the plurality of current devices have peak responses that are time shifted with respect to each other; wherein one of the plurality of current devices has a peak response that is time shifted with respect to one other of the plurality of current devices.~~

11. (Currently Amended) A line driver for driving a line having a state as recited in claim 1 ~~wherein the first current device includes a plurality of current devices wherein each of the plurality of current devices is coupled in parallel by a resistor so as to have peak responses that are time shifted with respect to each other; wherein a resistor is connected between the input to a first of the plurality of current devices and the input to a second of the plurality of current devices so that the first of the plurality of current devices has a peak response that is time shifted with respect to the second of the plurality of current devices.~~

12. (Currently Amended) A method of driving a line having a state including:

initiating a change in the state of the line using a first current device, wherein the first current device includes a plurality of current devices connected in parallel; and

substantially completing the change using a second current device~~[[;]]~~, wherein the first current device provides a first current and the second current device provides a second current that is smaller than the first current;

wherein a switching device configured to limit the first current as the state of the line is changing.